YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT
1947 Galileo Court, Suite 103; Davis, CA 95618
(530) 757-3650

TITLE V OPERATING PERMIT

Permit Number: F-00386-3

ISSUED TO:
Equilon Enterprises LLC,
dba Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

PLANT SITE LOCATION:
1509 South River Road
West Sacramento, CA 95691

ISSUED BY:

Paul Lind FOR — 7/23/2010

Mat Ehrhardt, P.E., Air Pollution Control Officer — Date

PROPOSED	November 2, 2009
EFFECTIVE	July 23, 2010
EXPIRATION	November 26, 2012

Nature of Business:	Petroleum Bulk Storage and Loading
SIC Code:	5171

Responsible Official:
Name: Clorinda Nothstein
Title: Western Region Manager
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Site Contact Person:
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Title: Environmental Coordinator
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I. FACILITY EMISSION UNITS AND EQUIPMENT LISTS

Insignificant Emission Units

Insignificant emission units or exempted equipment may be supplemented, replaced, or modified with non-identical equipment without notice provided exemption status has not changed as defined in current Yolo-Solano Air Quality Management District (District) or Federal rules. The equipment listed in Table 1 is a partial listing of equipment currently identified as exempt or insignificant and not required to obtain an operating permit pursuant to District Rule 3.2.

Table 1 - Exempted And Insignificant Emission Units (partial listing)

Insignificant Equipment Description	Basis for Exemption
Tank #15: Small Diesel Storage Tank	District Rule 3.2, Section 109
Tank #16: Small Diesel Storage Tank	District Rule 3.2, Section 109
Tank #17: Gasoline Additive Storage Tank	District Rule 3.2, Section 109
Tank #18: Treated Waste-water Storage Tank	District Rule 3.2, Section 113
Tank #19: Ground Waste-water Storage Tank	District Rule 3.2, Section 113
Tank #20: Gasoline Additive Storage Tank (Currently Empty)	District Rule 3.2, Section 109
Tank #21: Gasoline Additive Storage Tank	District Rule 3.2, Section 109
Tank #23: Gasoline Additive Storage Tank	District Rule 3.2, Section 109
Tank #UG1: Slop / Spill Containment Storage Tank	District Rule 3.2, Section 113
Pipeline Fugitive Emissions	District Rule 3.2, Section 113

Significant Emission Units

Each emission unit has been constructed pursuant to issuance of an Authority to Construct (ATC) in accordance with District Rule 3.1 (General Permit Requirements) and District Rule 3.4 (New Source Review).

Gasoline and Ethanol Storage Tanks

Identification Number: **P-58-99(a2)** [Tank #2]

Equipment Description: 2,114,280 gallon welded gasoline storage tank.

Control Equipment:	Internal steel floating roof (welded) with a mechanical shoe primary seal and rim-mounted secondary seal.
Identification Number:	**P-59-99(a2)** [Tank #3]
Equipment Description:	2,658,600 gallon welded gasoline storage tank.
Control Equipment:	External steel floating roof (welded) with a mechanical shoe primary seal and rim-mounted secondary seal.
Identification Number:	**P-60-99(a2)** [Tank #4]
Equipment Description:	508,200 gallon welded gasoline storage tank.
Control Equipment:	Domed internal steel floating roof (welded) with a mechanical shoe primary seal and rim-mounted secondary seal.
Identification Number:	**P-61-99(a2)** [Tank #5]
Equipment Description:	210,000 gallon welded gasoline/ethanol storage tank and truck unloading pump skid.
Control Equipment:	Domed internal steel floating roof (welded) with a mechanical shoe primary seal and rim-mounted secondary seal.
Identification Number:	**P-62-99(a2)** [Tank #6]
Equipment Description:	718,200 gallon welded gasoline storage tank.
Control Equipment:	External steel floating roof (welded) with a mechanical shoe primary seal and rim-mounted secondary seal.
Identification Number:	**P-63-02(a)** [Tank #7]
Equipment Description:	323,400 gallon welded ethanol storage tank.
Control Equipment:	Domed internal steel floating roof (welded) with a mechanical shoe primary seal and rim-mounted secondary seal.
Identification Number:	**P-63-99(a2)** [Tank #9]
Equipment Description:	273,000 gallon welded gasoline storage tank.

Control Equipment:	External steel floating roof (welded) with a mechanical shoe primary seal and rim-mounted secondary seal.

Diesel Storage Tanks

Identification Number:	**P-64-02** [Tank #8]
Equipment Description:	273,000 gallon welded vertical fixed roof diesel storage tank.
Control Equipment:	None.
Identification Number:	**P-59-02** [Tank #10]
Equipment Description:	210,000 gallon welded vertical fixed roof diesel storage tank.
Control Equipment:	None.
Identification Number:	**P-60-02** [Tank #12]
Equipment Description:	210,000 gallon welded vertical fixed roof diesel storage tank.
Control Equipment:	None.
Identification Number:	**P-62-02** [Tank #14]
Equipment Description:	210,000 gallon welded vertical fixed roof diesel storage tank.
Control Equipment:	None.
Identification Number:	**P-92-02** [Tank #29450]
Equipment Description:	1,236,900 gallon welded diesel storage tank.
Control Equipment:	Internal steel floating roof (welded) with a mechanical shoe primary seal and rim-mounted secondary seal.

Other Equipment

Identification Number:	**P-44-74(a2)** [Loading Rack]
Equipment Description:	Bottom loading rack with three lanes and associated product pumps and bulk loading arms.

Control Equipment: Loading rack vapor recovery system with six vapor recovery arms; John Zink carbon adsorption unit, Model AA-825-8-10B; 158,760 gallon vapor holding tank.

II. SPECIFIC UNIT REQUIREMENTS

A. Emission Limitations

A.1 The combined VOC emissions from emission units P-58-99(a2) [Tank #2], P-59-99(a2) [Tank #3], P-60-99(a2) [Tank #4], P-61-99(a2) [Tank #5], P-62-99(a2) [Tank #6], and P-63-99(a2) [Tank #9] shall not exceed 15,084 lb/1st calendar quarter, 23,983 lb/2nd calendar quarter, 23,302 lb/3rd calendar quarter, 12,422 lb/4th calendar quarter, and 37.40 tons/year. [District Rule 3.4/C-06-185, C-06-186, C-06-187, C-06-188, C-06-189, and C-06-190]

A.2 The VOC emissions from P-58-99(a2) [Tank #2] shall not exceed 2,304 lb/1st calendar quarter, 2,836 lb/2nd calendar quarter, 3,140 lb/3rd calendar quarter, 2,420 lb/4th calendar quarter, and 5.35 tons/year. [District Rule 3.4/C-06-185]

A.3 The VOC emissions from P-59-99(a2) [Tank #3] shall not exceed 4,729 lb/1st calendar quarter, 7,664 lb/2nd calendar quarter, 7,326 lb/3rd calendar quarter, 3,747 lb/4th calendar quarter, and 11.73 tons/year. [District Rule 3.4/C-06-186]

A.4 The VOC emissions from P-60-99(a2) [Tank #4] shall not exceed 704 lb/1st calendar quarter, 837 lb/2nd calendar quarter, 895 lb/3rd calendar quarter, 726 lb/4th calendar quarter, and 1.58 tons/year. [District Rule 3.4/C-06-187]

A.5 The VOC emissions from P-61-99(a2) [Tank #5] shall not exceed 1,095 lb/1st calendar quarter, 1,282 lb/2nd calendar quarter, 1,364 lb/3rd calendar quarter, 1,129 lb/4th calendar quarter, and 2.43 tons/year. [District Rule 3.4/C-06-188]

A.6 The VOC emissions from P-62-99(a2) [Tank #6] shall not exceed 4,171 lb/1st calendar quarter, 6,793 lb/2nd calendar quarter, 6,417 lb/3rd calendar quarter, 3,254 lb/4th calendar quarter, and 10.32 tons/year. [District Rule 3.4/C-06-189]

A.7 The VOC emissions from P-63-99(a2) [Tank #9] shall not exceed 4,201 lb/1st calendar quarter, 6,714 lb/2nd calendar quarter, 6,328 lb/3rd calendar quarter, 3,312 lb/4th calendar quarter, and 10.28 tons/year. [District Rule 3.4/C-06-190]

A.8 The VOC emissions from P-63-02(a) [Tank #7] shall not exceed 59 lb/1st calendar quarter, 63 lb/2nd calendar quarter, 65 lb/3rd calendar quarter, 60 lb/4th calendar quarter, and 0.12 tons/year. [District Rule 3.4/C-02-23(revised)]

A.9 The VOC emissions from P-64-02 [Tank #8] shall not exceed 60 lb/1st calendar quarter, 87 lb/2nd calendar quarter, 100 lb/3rd calendar quarter, 65 lb/4th calendar quarter, and 0.16 tons/year. [District Rule 3.4/C-01-185]

A.10 The VOC emissions from P-59-02 [Tank #10] shall not exceed 46 lb/1st calendar quarter, 68 lb/2nd calendar quarter, 78 lb/3rd calendar quarter, 50 lb/4th calendar quarter, and 0.12 tons/year. [District Rule 3.4/C-01-180]

A.11 The VOC emissions from P-60-02 [Tank #12] shall not exceed 46 lb/1st calendar quarter, 68 lb/2nd calendar quarter, 78 lb/3rd calendar quarter, 50 lb/4th calendar quarter, and 0.12 tons/year. [District Rule 3.4/C-01-181]

A.12 The VOC emissions from P-62-02 [Tank #14] shall not exceed 46 lb/1st calendar quarter, 68 lb/2nd calendar quarter, 78 lb/3rd calendar quarter, 50 lb/4th calendar quarter, and 0.12 tons/year. [District Rule 3.4/C-01-183]

A.13 The VOC emissions from P-92-02 [Tank #29450] shall not exceed 131 lb/1st calendar quarter, 131 lb/2nd calendar quarter, 132 lb/3rd calendar quarter, 131 lb/4th calendar quarter, and 0.26 tons/year. [District Rule 3.4/C-01-186]

A.14 The VOC emissions from P-44-74(a2) [Loading Rack] shall not exceed 80.3 lb/day, 7,224 lb/1st calendar quarter, 7,304 lb/2nd calendar quarter, 7,385 lb/3rd calendar quarter, 7,385 lb/4th calendar quarter, and 14.65 tons/year. [District Rule 3.4/C-08-179]

B. Throughput Limitations

B.1 The combined amount of gasoline and ethanol* transferred for emission units P-58-99(a2) [Tank #2], P-59-99(a2) [Tank #3], P-60-99(a2) [Tank #4], P-61-99(a2) [Tank #5], P-62-99(a2) [Tank #6], and P-63-99(a2) [Tank #9] shall not exceed 135.500 million gallons/1st calendar quarter, 137.006 million gallons/2nd calendar quarter, 138.511 million gallons/3rd calendar quarter, 138.511 million gallons/4th calendar quarter, and 549.528 million gallons/year. (*NOTE: Not all six storage tanks are permitted to store ethanol. Refer to each individual storage tank throughput limitation below to determine the type of fuel allowed for the tank.) [District Rule 3.4/C-06-185, C-06-186, C-06-187, C-06-188, C-06-189, and C-06-190]

B.2 For P-58-99(a2) [Tank #2], the amount of gasoline transferred shall not exceed 135.500 million gallons/1st calendar quarter, 137.006 million gallons/2nd calendar quarter, 138.511 million gallons/3rd calendar quarter, 138.511 million gallons/4th calendar quarter, and 549.528 million gallons/year. [District Rule 3.4/C-06-185]

B.3 For P-59-99(a2) [Tank #3], the amount of gasoline transferred shall not exceed 135.500 million gallons/1st calendar quarter, 137.006 million gallons/2nd calendar quarter, 138.511 million gallons/3rd calendar quarter, 138.511 million gallons/4th calendar quarter, and 549.528 million gallons/year. [District Rule 3.4/C-06-186]

B.4 For P-60-99(a2) [Tank #4], the amount of gasoline transferred shall not exceed 135.500 million gallons/1st calendar quarter, 137.006 million gallons/2nd calendar quarter, 138.511 million gallons/3rd calendar quarter, 138.511 million gallons/4th calendar quarter, and 549.528 million gallons/year. [District Rule 3.4/C-06-187]

B.5 For P-61-99(a2) [Tank #5], the amount of gasoline and ethanol transferred combined shall not exceed 135.500 million gallons/1st calendar quarter, 137.006 million gallons/2nd calendar quarter, 138.511 million gallons/3rd calendar quarter, 138.511 million gallons/4th calendar quarter, and 549.528 million gallons/year. [District Rule 3.4/C-06-188]

B.6 For P-62-99(a2) [Tank #6], the amount of gasoline transferred shall not exceed 135.500 million gallons/1st calendar quarter, 137.006 million gallons/2nd calendar quarter, 138.511 million gallons/3rd calendar quarter, 138.511 million gallons/4th calendar quarter, and 549.528 million gallons/year. [District Rule 3.4/C-06-189]

B.7 For P-63-99(a2) [Tank #9], the amount of gasoline transferred shall not exceed 135.500 million gallons/1st calendar quarter, 137.006 million gallons/2nd calendar quarter, 138.511 million gallons/3rd calendar quarter, 138.511 million gallons/4th calendar quarter, and 549.528 million gallons/year. [District Rule 3.4/C-06-190]

B.8 For P-63-02(a) [Tank #7], the amount of ethanol transferred shall not exceed 9.88 million gallons/1st calendar quarter, 9.96 million gallons/2nd calendar quarter, 10.08 million gallons/3rd calendar quarter, 10.08 million gallons/4th calendar quarter, and 40.00 million gallons/year. [District Rule 3.4/C-02-23(revised)]

B.9 For P-64-02 [Tank #8], the amount of diesel transferred shall not exceed 4.940 million gallons/1st calendar quarter, 4.980 million gallons/2nd calendar quarter, 5.040 million gallons/3rd calendar quarter, 5.040 million gallons/4th calendar quarter, and 20.0 million gallons/year. [District Rule 3.4/C-01-185]

B.10 For P-59-02 [Tank #10], the amount of diesel transferred shall not exceed 3.705 million gallons/1st calendar quarter, 3.735 million gallons/2nd calendar quarter, 3.780 million gallons/3rd calendar quarter, 3.780 million gallons/4th calendar quarter, and 15.0 million gallons/year. [District Rule 3.4/C-01-180]

B.11 For P-60-02 [Tank #12], the amount of diesel transferred shall not exceed 3.705 million gallons/1st calendar quarter, 3.735 million gallons/2nd calendar quarter, 3.780 million gallons/3rd calendar quarter, 3.780 million gallons/4th calendar quarter, and 15.0 million gallons/year. [District Rule 3.4/C-01-181]

B.12 For P-62-02 [Tank #14], the amount of diesel transferred shall not exceed 3.705 million gallons/1st calendar quarter, 3.735 million gallons/2nd calendar quarter, 3.780 million gallons/3rd calendar quarter, 3.780 million gallons/4th calendar quarter, and 15.0 million gallons/year. [District Rule 3.4/C-01-183]

B.13 For P-92-02 [Tank #29450], the amount of diesel transferred shall not exceed 37.05 million gallons/1st calendar quarter, 37.35 million gallons/2nd calendar quarter, 37.80 million gallons/3rd calendar quarter, 37.80 million gallons/4th calendar quarter, and 150.0 million gallons/year. [District Rule 3.4/C-01-186]

B.14 For P-44-74(a2) [Loading Rack], the amount of gasoline transferred shall not exceed 1,505,556 gallons/day, 135.500 million gallons/1st calendar quarter, 137.006 million gallons/2nd calendar quarter, 138.511 million gallons/3rd calendar quarter, 138.511 million gallons/4th calendar quarter, and 549.528 million gallons/year. [District Rule 3.4/C-08-179]

B.15 For P-44-74(a2) [Loading Rack], the amount of diesel transferred shall not exceed 1,505,556 gallons/day, 135.500 million gallons/1st calendar quarter, 137.006 million gallons/2nd calendar quarter, 138.511 million gallons/3rd calendar quarter, 138.511 million gallons/4th calendar quarter, and 549.528 million gallons/year. [District Rule 3.4/C-08-179]

C. Work Practice and Operational Requirements

C1. Organic Liquid Storage and Transfer Requirements

Work Practice and Operational Requirements for All Diesel Storage Tanks

The following permit condition is applicable to the emission units listed in Table 2:

Table 2 - Emission Units and Corresponding Authorities to Construct

Emission Unit	ATC Number		Emission Unit	ATC Number
P-64-02 [Tank #8]	C-01-185		P-62-02 [Tank #14]	C-01-183
P-59-02 [Tank #10]	C-01-180		P-92-02 [Tank #29450]	C-01-186
P-60-02 [Tank #12]	C-01-181			

C1.1 The tank shall only be used to store diesel fuel with a true vapor pressure less than 0.5 psia under actual storage conditions, as determined by the test method specified in Section 602 of District Rule 2.21. [District Rule 2.21, §102]

Work Practice and Operational Requirements for All Gasoline and Ethanol Storage Tanks

The following permit conditions are applicable to the emission units listed in Table 3:

Table 3 - Emission Units and Corresponding Authorities to Construct

Emission Unit	ATC Number		Emission Unit	ATC Number
P-58-99(a2) [Tank #2]	C-06-185		P-62-99(a2) [Tank #6]	C-06-189

P-59-99(a2) [Tank #3]	C-06-186		P-63-99(a2) [Tank #9]	C-06-190
P-60-99(a2) [Tank #4]	C-06-187		P-63-02(a) [Tank #7]	C-02-23 (Revised)
P-61-99(a2) [Tank #5]	C-06-188			

C1.2 The tank shall only be used to store organic liquid with a true vapor pressure less than 11.0 psia under actual storage conditions, as determined by the test method specified in Section 602 of District Rule 2.21. [District Rule 2.21, §301.1]

C1.3 Organic liquid shall not be visible above the floating roof. [District Rule 2.21, §301.2]

C1.4 The floating roof shall be in contact with the liquid contents (but not necessarily in complete contact with it) at all times except when the storage tank is completely emptied, and subsequently refilled. During this period, emptying or refilling shall be a continuous process. [District Rule 2.21, §301.3]

C1.5 The Permit Holder shall provide written notification to the Air Pollution Control Officer (APCO) at least seven (7) days prior to landing the floating roof on its legs. [District Rule 2.21, §301.4]

C1.6 The installation of a new or replacement primary seal shall be a mechanical shoe seal or liquid mounted seal. For existing resilient toroid seals, replacement means adding, replacing, or altering more than 5% of the seal foam or cover material. [District Rule 2.21, §301.5]

C1.7 External floating roofs shall consist of two seals, one above the other; the one below shall be referred to as the primary seal, and the one above shall be referred to as the secondary seal. [District Rule 2.21, §302.1]

C1.8 Internal floating roofs shall consist of two seals, one above the other; the one below shall be referred to as the primary seal, and the one above shall be referred to as the secondary seal. [District Rule 2.21, §303.1]

C1.9 Vapor concentrations above an internal floating roof shall not exceed 30% of its lower explosive limit (LEL). [District Rule 2.21, §303.2]

C1.10 All internal floating roof tanks shall be equipped with at least three (3) viewing ports. The viewports shall be installed on the fixed roof an equidistance apart and in such a manner so that each viewport provides an unobstructed view of the tank wall and roof seal. An alternate number or size of viewports may be approved at the discretion of the APCO. [District Rule 2.21, §303.3]

C1.11 For both internal floating roof tanks and external floating roof tanks, slotted and solid guidepoles shall comply with the requirements specified in District Rule 2.21, Section 305.2.h. [District Rule 2.21, §305.1(c) and §305.2(h)]

C1.12 For both internal floating roof tanks and external floating roof tanks, vacuum breakers shall be equipped with a gasket, with no visible gaps, and shall be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. [District Rule 2.21, §305.1(d) & §305.2(b)]

C1.13 For both internal floating roof tanks and external floating roof tanks, rim vents shall be equipped with a gasket, with no visible gaps, and shall be set to open only when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. [District Rule 2.21, §305.1(d) & §305.2(c)]

C1.14 For both internal floating roof tanks and external floating roof tanks, each access hatch and gauge float well shall be equipped with a cover that is gasketed and bolted. The cover shall be closed at all times, with no visible gaps, except when the hatch or well must be opened for access. [District Rule 2.21, §305.1(d) & §305.2(g)]

C1.15 For internal floating roof tanks, fixed roof support columns and wells shall be equipped with a sliding gasketed cover or with a flexible fabric sleeve. [District Rule 2.21, §305.1(a)]

C1.16 For internal floating roof tanks, ladder wells shall be equipped with a gasketed cover. The cover shall be closed at all times, with no visible gaps, except when the well must be opened for access. [District Rule 2.21, §305.1(b)]

C1.17 For external floating roof tanks, except for slotted or solid guidepoles, vacuum breakers, rim vents, roof drains, and leg sleeves, each opening in the roof shall be equipped with a gasketed cover, seal, or lid that shall be maintained in a closed position at all times, with no visible gaps, except when the device is in actual use. [District Rule 2.21, §305.2(a)]

C1.18 For external floating roof tanks, each roof drain that is an open-type roof drain shall be equipped with a slotted membrane fabric cover that covers at least 90% of the area opening. The fabric cover must be impermeable if the liquid is drained into the contents of the tank. [District Rule 2.21, §305.2(d)]

C1.19 For external floating roof tanks, external floating roof legs shall be equipped with vapor socks or vapor barriers and be maintained in a gas-tight condition. [District Rule 2.21, §305.2(e)]

C1.20 For external floating roof tanks, each opening in a floating roof except for vacuum breakers and rim vents shall provide a projection below the liquid surface. [District Rule 2.21, §305.2(f)]

C1.21 For any storage tank equipped with a mechanical shoe seal, there shall be no holes, tears, or openings which allow the emission of organic vapors through the secondary seal. There shall be no holes, tears, or openings in the primary seal envelope surrounding the annular vapor space enclosed by the roof edge, stored liquid surface, shoe, and seal fabric. [District Rule 2.21, §306.1]

C1.22 Any external floating roof tank where a mechanical shoe seal was installed on or after September 1, 1978, shall be installed so that one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of twenty-four (24) inches above the stored liquid surface. [District Rule 2.21, §306.2]

C1.23 For any storage tank equipped with a mechanical shoe primary seal, the geometry of the shoe shall be such that the gap between the shoe and the storage tank shell shall not exceed twice the seal gap criteria for a vertical length greater than eighteen (18) inches. [District Rule 2.21, §306.3]

C1.24 For any storage tank equipped with a mechanical shoe primary seal, no gap between the storage tank shell and the primary seal shall exceed:
a. 1-1/2 inch;
b. 1/2 inch for a cumulative length greater than 10% of the circumference of the tank;
c. 1/8 inch for a continuous length of more than 10% of the circumference of the tank;
d. 1/8 inch for a cumulative length greater than 30% of the circumference of the tank. [District Rule 2.21, §306.4]

C1.25 Any secondary seal shall extend from the floating roof to the storage tank shell and shall not be attached to the primary seal. For secondary seals installed after March 23, 1995, no gap between the storage tank shell and the secondary seal shall exceed:
a. 0.06 inch;
b. 0.02 inch for a cumulative length greater than 5% of the circumference of the tank excluding gaps less than 1.79 inches from vertical weld seams. [District Rule 2.21, §306.5]

C1.26 No gap between the storage tank shell and the secondary seal shall exceed:
a. 1/2 inch;
b. 1/8 inch for a cumulative length greater than 5% of the circumference of the storage tank. [District Rule 2.21, §306.6]

C1.27 For any storage tank equipped with a mechanical shoe primary seal, the secondary seal shall allow easy insertion of probes up to 1-1/2 inch in width in order to measure gaps in the primary seal. [District Rule 2.21, §306.7]

C1.28 Organic liquids subject to District Rule 2.21 shall not be discarded to public sewers, stored in open containers, or handled in any other manner that would result in evaporation to the atmosphere. [District Rule 2.21, §314]

C1.29 The degassing of any storage tank shall be controlled by a system which collects and processes all organic vapors and gases and has an abatement efficiency of at least 90% by weight. The system shall be operated until the concentration of volatile organic compounds in the tank is less than 10,000 ppm expressed as methane as determined in accordance with the test method specified in Section 605 of District Rule 2.21. [District Rule 2.21, §315]

C1.30 The Permit Holder shall submit a maintenance plan to the APCO at least seven (7) days prior to performing maintenance on any storage tank. The plan shall state the equipment Permit to Operate number (unit identification number), a detailed description of the maintenance to be performed, the expected duration of the maintenance, the reason that the maintenance is necessary, emission control measures that will be employed, and the effect of not performing the maintenance. [District Rule 2.21, §501]

Work Practice and Operational Requirements for Organic Liquid Transfer Equipment for Transport Vessel Loading (Loading Rack)

C1.31 For P-44-74(a2) [Loading Rack], the Permit Holder shall not transfer or permit to be transferred organic liquid into any transport vessel unless the loading rack is equipped with a California Air Resources Board (CARB) certified vapor recovery system pursuant to Section 41954 of the California Health and Safety Code that is operated and maintained in compliance with the requirements of such certification. [District Rule 2.21, §308]

C1.32 For P-44-74(a2) [Loading Rack], all organic liquid loading equipment shall be maintained to be leak free, gas tight, and in good working order. [District Rule 2.21, §308.2]

C1.33 For P-44-74(a2) [Loading Rack], during transfer operations, the allowed drainage during disconnect of any transport vessels shall be no more than ten (10) milliliters liquid, averaged over three (3) disconnects. [District Rule 2.21, §308.3]

C1.34 For P-44-74(a2) [Loading Rack], all transport vessel loading operations shall be accomplished by bottom loading. [District Rule 2.21, §308.4]

C1.35 For P-44-74(a2) [Loading Rack], organic liquids subject to District Rule 2.21 shall not be discarded to public sewers, stored in open containers, or handled in any other manner that would result in evaporation to the atmosphere. [District Rule 2.21, §314]

C2. Fugitive Hydrocarbon Emissions Requirements

Work Practice and Operational Requirements for All Gasoline Storage Tanks and Gasoline Transfer Equipment

The following permit conditions are applicable to the emission units listed in Table 4:

Table 4 - Emission Units and Corresponding Authorities to Construct

Emission Unit	ATC Number		Emission Unit	ATC Number
P-58-99(a2) [Tank #2]	C-06-185		P-62-99(a2) [Tank #6]	C-06-189
P-59-99(a2) [Tank #3]	C-06-186		P-63-99(a2) [Tank #9]	C-06-190
P-60-99(a2) [Tank #4]	C-06-187		P-44-74(a2) [Loading Rack]	C-08-179
P-61-99(a2) [Tank #5]	C-06-188			

C2.1 All leaking components shall be affixed with brightly colored, weatherproof tags showing the date of leak detection. These tags shall remain in place until the components are repaired and reinspected. [District Rule 2.23, §301.7]

C2.2 All non-critical components shall be successfully repaired or replaced within the following time periods after detection of the leak according to the Table 5, Repair Periods. [District Rule 2.23, §302.1(a)]

Table 5 - Repair Periods

Type of Leak	Time Period[1]
Minor Gas Leak	14 Days
Major Gas Leak	5 Days
Major Gas Leak over 50,000 ppm	1 Day[2]
Major Liquid Leak	1 Day[2]
Minor Liquid Leak	2 Days[2]

1. Day means a twenty-four (24) hour period from the time of leak detection.
2. Unless prohibited by California Occupational Safety and Health Administration (CAL OSHA) standards.

C2.3 Leaks from components shall be immediately minimized to stop or reduce leakage to the atmosphere. [District Rule 2.23, §302.1(b)]

C2.4 All leaks from critical components shall be minimized to the extent possible and shall be replaced with Best Available Control Technology equipment as determined in accordance with District Rule 3.4 (New Source Review) during the next process unit turnaround. [District Rule 2.23, §302.1(c)]

C2.5 A component or parts which incur five repair actions for a liquid or major gas leak within a continuous twelve (12) month period shall be replaced with Best Available

Control Technology equipment as determined in accordance with District Rule 3.4 (New Source Review). [District Rule 2.23 §302.3]

C2.6 Open-ended lines and valves located at the end of lines shall be sealed with a blind flange, plug, cap, or a second closed valve at all times except during operations. Operations include draining or degassing operations, connection of temporary process equipment, sampling of process streams, emergency venting, and other normal operational needs. [District Rule 2.23, §303]

C2.7 Hatches shall be closed at all times except during sampling, adding process materials, or attended maintenance operations. [District Rule 2.23, §304]

C2.8 The Permit Holder shall not use a pressure relief device on any equipment if the concentration of volatile organic compounds and methane in such a device exceeds 100 ppm (expressed as methane) above background. [District Rule 2.23, §305.2]

C2.9 During the next process unit turnaround, the Permit Holder shall replace a non-repairable pressure relief device with a device that meets the requirements of District Rule 2.23, Section 305.2. For the purposes this permit condition, a non-repairable pressure relief device is any such device that cannot be taken out of service without shutting down the process which it serves. [District Rule 2.23, §305.3]

C2.10 During the next process unit turnaround, the Permit Holder shall replace an inaccessible pressure relief device with a device that meets the requirements of District Rule 2.23, Section 305.2. [District Rule 2.23, §305.4]

C2.11 All major components and critical components shall be clearly and visibly physically identified for inspection, repair, replacement, and record-keeping purposes. [District Rule 2.23, §401.1]

C2.12 All major, critical, and inaccessible components except flanges and threaded connections shall be clearly identified in diagrams for inspection, repair, replacement, and record-keeping purposes as approved by the APCO. [District Rule 2.23, §401.2]

C2.13 The information required for component identification shall be submitted to the APCO upon request. [District Rule 2.23, §401.3]

C2.14 The Permit Holder shall notify the APCO in writing of any change in the identification of a major component. [District Rule 2.23, §401.4]

C3. Unit Specific Requirements

Work Practice and Operational Requirements for Specific Emission Units

C3.1 For P-63-02(a) [Tank #7], the tank shall only be used to store denatured ethanol. [District Rule 3.4/C-02-23(revised)]

C3.2 For P-63-02(a) [Tank #7], the primary seal shall be installed so that one end of the shoe extends into the stored liquid. [District Rule 3.4/C-02-23(revised)]

C3.3 For P-92-02 [Tank #29450], there shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 3.4/C-01-186]

C3.4 For P-92-02 [Tank #29450], the primary seal shall be installed so that one end of the shoe extends into the stored liquid. [District Rule 3.4/C-01-186]

C3.5 For P-44-74(a2) [Loading Rack], the maximum VOC emission rate from the permitted loading rack equipment and control equipment shall not exceed 0.053 pounds per 1,000 gallons of organic liquid transferred by the loading rack. [District Rule 3.1, §402, District Rule 2.21, §308.1, and 40 CFR 60.502(b)/C-08-179]

C4. Federal New Source Performance Standards Requirements

Work Practice and Operational Requirements for Specific Emission Units

C4.1 For P-44-74(a2) [Loading Rack], the affected facility shall be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading. [40 CFR 60.502(a)]

C4.2 For P-44-74(a2) [Loading Rack], the vapor collection system shall prevent any total organic compounds vapors collected at this loading rack from passing to another loading rack. [40 CFR 60.502(d)]

C4.3 For P-44-74(a2) [Loading Rack], loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures:

a. The Permit Holder shall obtain the vapor tightness documentation described in 40 CFR 60.505(b) for each gasoline tank truck which is to be loaded at the affected facility.

b. The Permit Holder shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility.

c. The Permit Holder shall cross-check each tank identification number obtained in the above paragraph with the file of tank vapor tightness documentation within two (2) weeks after the corresponding tank is loaded, unless either of the following conditions is maintained:

i. If less than an average of one gasoline tank truck per month over the last twenty-six (26) weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed each quarter; or

ii. If less than an average of one gasoline tank truck per month over the last fifty-two (52) weeks is loaded without vapor tightness

documentation then the documentation cross-check shall be performed semiannually.

If either the quarterly or semiannual cross-check, provided above, reveals that these conditions were not maintained, the source must return to biweekly monitoring until such time as these conditions are again met.

d. The Permit Holder shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the affected facility within one (1) week of the documentation cross-check.

e. The Permit Holder shall take steps assuring that the non-vapor-tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank is obtained. [40 CFR 60.502(e)]

C4.4 For P-44-74(a2) [Loading Rack], the Permit Holder shall act to assure that loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system. [40 CFR 60.502(f)]

C4.5 For P-44-74(a2) [Loading Rack], the Permit Holder shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks. [40 CFR 60.502(g)]

C4.6 For P-44-74(a2) [Loading Rack], the vapor collection and liquid loading equipment shall be operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in 40 CFR 60.503(d). [40 CFR 60.502(h)]

C4.7 For P-44-74(a2) [Loading Rack], no pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water). [40 CFR 60.502(i)]

C4.8 For P-44-74(a2) [Loading Rack], the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks each calendar month. For the purposes of this permit condition, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within fifteen (15) calendar days after it is detected. [40 CFR 60.502(j)]

D. Monitoring and Testing Requirements

D1. Organic Liquid Storage and Transfer Requirements

Monitoring and Testing Requirements for All Gasoline and Ethanol Storage Tanks

The following permit conditions are applicable to the emission units listed in Table 6:

Table 6 - Emission Units and Corresponding Authorities to Construct

Emission Unit	ATC Number		Emission Unit	ATC Number
P-58-99(a2) [Tank #2]	C-06-185		P-62-99(a2) [Tank #6]	C-06-189
P-59-99(a2) [Tank #3]	C-06-186		P-63-99(a2) [Tank #9]	C-06-190
P-60-99(a2) [Tank #4]	C-06-187		P-63-02(a) [Tank #7]	C-02-23 (Revised)
P-61-99(a2) [Tank #5]	C-06-188			

D1.1 The Permit Holder shall submit written notification to the APCO at least seven (7) days prior to performing monitoring on any storage tank. [District Rule 2.21, §502]

D1.2 For external floating roof tanks, the Permit Holder shall perform complete gap measurement of the primary and secondary seals every twelve (12) months and each time the tank is emptied and degassed. [District Rule 2.21, §502.1(a)]

D1.3 For external floating roof tanks, the Permit Holder shall perform complete gap measurements of all deck fittings every twelve (12) months and each time the tank is emptied and degassed. [District Rule 2.21, §502.1(b)]

D1.4 For internal floating roof tanks, the Permit Holder shall visually inspect the secondary seal, floating roof, and deck fittings and use an explosimeter that is calibrated in accordance with the manufacturer's specifications to measure the LEL of the storage tank. For each storage tank, inspections and LEL measurements shall be completed at least once every three (3) months, and LEL measurements shall be taken at a distance of no less than four (4) feet from the storage tank viewport or access hatch. [District Rule 2.21, §502.2(a)]

D1.5 The Permit Holder shall perform complete gap measurements of the primary and secondary seals at least once every ten (10) years and each time the tank is emptied and degassed. [District Rule 2.21, §502.2(b)]

D1.6 The Permit Holder shall perform complete gap measurements of all deck fittings at least once every ten (10) years and each time the tank is emptied and degassed. [District Rule 2.21, §502.2(c)]

D1.7 The Permit Holder shall conduct all visual inspections, LEL measurements, and gap measurements in accordance with the District-approved report format. [District Rule 2.21, §502.1 and §502.2]

D1.8 The Permit Holder shall submit all monitoring reports to the APCO within forty-five (45) calendar days after the monitoring work is completed. All monitoring reports shall include sufficient detail to verify compliance with all applicable requirements of District Rule 2.21. [District Rule 2.21, §503.1]

Monitoring and Testing Requirements for Organic Liquid Transfer Equipment for Transport Vessel Loading (Loading Rack)

D1.9 For P-44-74(a2) [Loading Rack], the Permit Holder shall perform a source test to measure the vapor recovery system emission rate at least once every twelve (12) months in accordance with the test method specified in District Rule 2.21, Section 607. The source test shall be conducted in accordance with the District-approved report format and the terminal operating conditions shall correspond to those established during the testing conducted for the initial certification criterion. [District Rule 2.21, §502.3]

D1.10 For P-44-74(a2) [Loading Rack], all source tests performed shall be documented in a report in accordance with the test methods and procedures specified in Section 600. The report shall include sufficient detail to verify compliance with all applicable rule requirements and shall be submitted to the APCO within forty-five (45) calendar days after the completion of the test. The source test report shall include the date of the test and names and titles of personnel performing the test. [District Rule 2.21, §503.2]

D2. Fugitive Hydrocarbon Emissions Requirements

Monitoring and Testing Requirements for All Gasoline Storage Tanks and Gasoline Transfer Equipment

The following permit conditions are applicable to the emission units listed in Table 7:

Table 7 - Emission Units and Corresponding Authorities to Construct

Emission Unit	ATC Number		Emission Unit	ATC Number
P-58-99(a2) [Tank #2]	C-06-185		P-62-99(a2) [Tank #6]	C-06-189
P-59-99(a2) [Tank #3]	C-06-186		P-63-99(a2) [Tank #9]	C-06-190
P-60-99(a2) [Tank #4]	C-06-187		P-44-74(a2) [Loading Rack]	C-08-179
P-61-99(a2) [Tank #5]	C-06-188			

D2.1 All pump seals, compressor seals, and pressure relief devices shall be inspected for leaks once during every manned operating shift or every eight-hour period. A leak shall include any liquid leak, a visual vapor leak, audible leaks, the presence of bubbles using soap solutions, or a leak identified by a vapor analyzer. [District Rule 2.23, §301.1.a]

D2.2 Any leak which is identified during the inspection of components shall be measured to quantify emission concentrations according to EPA Reference Method 21. [District Rule 2.23, §301.1.b]

D2.3 All components shall be inspected quarterly according to EPA Reference Method 21, except as provided below:

a. All inaccessible components shall be inspected annually according to EPA Reference Method 21.

b. All threaded connections and flanges shall be inspected for leaks according to EPA Reference Method 21 immediately after being placed in service and annually thereafter.

c. The inspection frequency for components, except pump seals and compressor seals, may change from quarterly to annually, provided that all of the following conditions are met:

i. All components at the facility have been successfully operated and maintained with no liquid leaks and no major gas leaks exceeding 0.5 percent of the total components inspected per inspection period for twelve (12) consecutive months, and

ii. The above is substantiated by documentation and written approval obtained from the APCO.

d. Any annual inspection frequency approved by the APCO shall revert to quarterly, should any liquid leak or major gas leak be detected exceeding 0.5 percent of the total components inspected per inspection period. [District Rule 2.23, §301.2, §301.3, §301.5, §301.6, and §301.8]

D2.4 A pressure relief device shall be inspected according to EPA Reference Method 21 within three (3) calendar days after every pressure relief. [District Rule 2.23, §301.4]

D2.5 All repaired or replaced components shall be re-inspected per EPA Reference Method 21 by the Permit Holder within thirty (30) days of the repair or replacement. [District Rule 2.23, §302.2]

D3. Unit Specific Requirements

Monitoring and Testing Requirements for Specific Emission Units

The following permit condition is applicable to the emission units listed in Table 8:

Table 8 - Emission Units and Corresponding Authorities to Construct

Emission Unit	ATC Number		Emission Unit	ATC Number
P-58-99(a2) [Tank #2]	C-06-185		P-62-99(a2) [Tank #6]	C-06-189
P-59-99(a2) [Tank #3]	C-06-186		P-63-99(a2) [Tank #9]	C-06-190
P-60-99(a2) [Tank #4]	C-06-187			

D3.1 An all level sample shall be taken at the beginning of each calendar quarter and upon District request. Samples shall be analyzed to determine the Reid Vapor Pressure (RVP). [District Rule 3.4]

D3.2 For P-61-99(a2) [Tank #5], when the tank is used to store gasoline, an all level sample shall be taken at the beginning of each calendar quarter and upon District request. Samples shall be analyzed to determine the Reid Vapor Pressure (RVP). [District Rule 3.4/C-06-188]

D3.3 For P-44-74(a2) [Loading Rack], the Permit Holder shall install and maintain such facilities as are necessary for sampling and testing purposes. The number, size, and location of sampling ports shall be in accordance with Air Resources Board Test Method 1. The location and access to the sampling platform shall be in accordance with the General Industry Safety Orders of the State of California. [District Rule 3.1, §303.2/C-08-179]

D3.4 For P-44-74(a2) [Loading Rack], the Permit Holder shall notify the District prior to any compliance source test event, and a source test protocol shall be submitted for approval fourteen (14) days prior to the test event. The results of the source test shall be submitted to the District within forty-five (45) days of the test date. The protocol and report shall be mailed to the attention of the Supervising Air Quality Engineer. [District Rule 3.1, §402/C-08-179]

E. Record-keeping Requirements

E1. Organic Liquid Storage and Transfer Requirements

Record-keeping Requirements for All Gasoline and Ethanol Storage Tanks and Organic Liquid Transfer Equipment for Transport Vessel Loading (Loading Rack)

The following permit conditions are applicable to the emission units listed in Table 9:

Table 9 - Emission Units and Corresponding Authorities to Construct

Emission Unit	ATC Number		Emission Unit	ATC Number
P-58-99(a2) [Tank #2]	C-06-185		P-62-99(a2) [Tank #6]	C-06-189
P-59-99(a2) [Tank #3]	C-06-186		P-63-99(a2) [Tank #9]	C-06-190
P-60-99(a2) [Tank #4]	C-06-187		P-63-02(a) [Tank #7]	C-02-23 (Revised)
P-61-99(a2) [Tank #5]	C-06-188		P-44-74(a2) [Loading Rack]	C-08-179

E1.1 The Permit Holder shall submit throughput reports to the APCO no later than March 31 for the previous calendar year. Storage tank throughput reports shall include the actual quarterly volume of organic liquid transferred into each tank. Bulk loading throughput reports shall include the actual quarterly volume of organic liquid transferred. [District Rule 2.21, §503.3]

E1.2 The Permit Holder shall maintain accurate records to demonstrate compliance in accordance with the requirements of District Rule 2.21, Sections 501, 502, and 503 on site for a period of at least five (5) years and make such records available to the APCO upon request. [District Rule 2.21, §504]

E2. Fugitive Hydrocarbon Emissions Requirements

Record-keeping Requirements for All Gasoline Storage Tanks and Gasoline Transfer Equipment

The following permit conditions are applicable to the emission units listed in Table 10:

Table 10 - Emission Units and Corresponding Authorities to Construct

Emission Unit	ATC Number		Emission Unit	ATC Number
P-58-99(a2) [Tank #2]	C-06-185		P-62-99(a2) [Tank #6]	C-06-189
P-59-99(a2) [Tank #3]	C-06-186		P-63-99(a2) [Tank #9]	C-06-190
P-60-99(a2) [Tank #4]	C-06-187		P-44-74(a2) [Loading Rack]	C-08-179
P-61-99(a2) [Tank #5]	C-06-188			

E2.1 All records of operator inspection and repair shall be maintained at the facility for the previous five (5) year period and made available at the time of District inspection. [District Rule 2.23, §501]

E2.2 The Permit Holder shall maintain an inspection log, containing at a minimum, the following:

a. Name, location, type of components, and description of any unit where leaking components are found;
b. Date of leak detection, emission level (ppm) of leak, and method of leak detection;
c. Date and emission level (ppm) of recheck after leak is repaired; and
d. Total number of components inspected and a total number and percentage of leaking components found by component types. [District Rule 2.23, §502]

E2.3 Records of leaks detected by a quarterly or annual operator inspection, and each subsequent repair and reinspection, shall be submitted to the APCO upon request. [District Rule 2.23, §503]

E3. Unit Specific Requirements

Record-keeping Requirements for Specific Emission Units

The following permit condition is applicable to the emission units listed in Table 11:

Table 11 - Emission Units and Corresponding Authorities to Construct

Emission Unit	ATC Number		Emission Unit	ATC Number
P-58-99(a2) [Tank #2]	C-06-185		P-61-99(a2) [Tank #5]	C-06-188
P-59-99(a2) [Tank #3]	C-06-186		P-62-99(a2) [Tank #6]	C-06-189
P-60-99(a2) [Tank #4]	C-06-187		P-63-99(a2) [Tank #9]	C-06-190

E3.1 The Permit Holder shall maintain records of the actual volume of material transferred into this tank (including inter tank transfers) on a quarterly basis and records of all RVP sampling analysis. These records shall be maintained for a period of at least five (5) years from the date of entry and made readily available to the APCO upon request. [District Rule 3.4]

The following permit condition is applicable to the emission units listed in Table 12:

Table 12 - Emission Units and Corresponding Authorities to Construct

Emission Unit	ATC Number		Emission Unit	ATC Number
P-64-02 [Tank #8]	C-01-185		P-62-02 [Tank #14]	C-01-183
P-59-02 [Tank #10]	C-01-180		P-92-02 [Tank #29450]	C-01-186
P-60-02 [Tank #12]	C-01-181		P-63-02(a) [Tank #7]	C-02-23 (Revised)

E3.2 The Permit Holder shall maintain records of the actual volume of material transferred into this tank (including inter tank transfers) on a quarterly basis. Records shall be maintained for a period of five (5) years and shall be made readily available to the Air Pollution Control Officer upon request. [District Rule 3.1, §402]

E3.3 For P-44-74(a2) [Loading Rack], the Permit Holder shall monitor and record the cumulative quarterly and annual gasoline and diesel transferred by the loading rack. The records shall be updated quarterly and made available to the District upon request. Historic annual data for the five (5) previous calendar years shall be kept and made available to the District upon request. [District Rule 3.1, §402/C-08-179]

F. Compliance Assurance Monitoring Requirements

F.1 The Permit Holder shall perform daily inspections and maintenance of the Loading Rack equipment and control equipment per the District-approved CAM plan. Records and results of each inspection and maintenance event shall be maintained for a period of no less than five (5) years from the date of inspection/maintenance. An excursion occurs if an inspection is not performed or documented or if corrective action is not initiated within forty-eight (48) hours to correct any problem(s) identified during the inspection. An excursion shall trigger an investigation, corrective action, and a reporting requirement. If any daily inspection reveals a potential problem(s) with the Loading Rack equipment and/or control equipment, the Permit Holder shall immediately perform the monitoring required by condition F.3 of this permit. [40 CFR, Part 64, §64.7]

F.2 The two (2) carbon adsorption beds shall be connected in parallel, and shall be operated simultaneously so that one carbon adsorption bed is undergoing regeneration under vacuum, while the other carbon bed is on-line and controlling the VOC emissions from the process. Unless otherwise approved in writing by the District, the minimum regeneration duration of each carbon adsorption bed shall be fifteen (15) minutes. [40 CFR, Part 64, §64.7]

F.3 When the vapor recovery system (VRS) is operating, each carbon adsorption bed operating in its regeneration cycle shall reach at least 25 inches-Hg vacuum gauge

pressure. The Permit Holder shall monitor at least once every 24 hours the vacuum gauge pressure for each carbon adsorption bed during a regeneration cycle. Where the VRS is operating and the vacuum gauge pressure reading in a regeneration cycle is observed at or above 25 inches-Hg, the Permit Holder shall record the time when the reading was observed, the name of the carbon bed regenerating, and that the regeneration cycle attained 25 inches-Hg. Where the VRS is operating and the maximum vacuum gauge pressure reading in a regeneration cycle is observed below 25 inches-Hg, the Permit Holder shall record the time of the observation, the name of the carbon bed regenerating, and the maximum vacuum pressure observed during the regeneration cycle. If during a monitoring event the VRS is not operating, the Permit Holder shall record the system as "idle" and the time of the observation. Records and results of each observation shall be maintained for a period of no less than five (5) years from the date of inspection. An excursion occurs if a pressure reading is not performed or documented, or if a regenerating carbon adsorption bed does not reach at least 25 inches-Hg vacuum gauge pressure during a regeneration cycle. An excursion shall trigger an investigation, corrective action, and a reporting requirement. [40 CFR, Part 64, §64.7]

F.4 The Permit Holder shall perform a source test to measure the vapor recovery system emission rate at least once every twelve (12) months in accordance with the test method specified in District Rule 2.21, Section 607. Records and results of each source test event shall be maintained for a period of no less than five (5) years from the date of the source test event. An excursion occurs if a source test is not performed. An exceedance occurs if source test results indicate emissions exceeded a permitted VOC limit or rate. An excursion and/or exceedance shall trigger an investigation, corrective action, and a reporting requirement. [40 CFR, Part 64, §64.7]

F.5 The Permit Holder shall perform, at least once every three (3) months, a Loading Rack equipment and control equipment leak inspection per the District-approved CAM plan. Records and results of each leak inspection event shall be maintained for a period of no less than five (5) years from the date of inspection. An excursion occurs if a leak inspection is not performed or if a gas or liquid leak, as defined in District Rule 2.23, is found during normal loading operations that is not repaired within the time limits outlined in District Rule 2.23. An excursion shall trigger an investigation, corrective action, and a reporting requirement. [40 CFR, Part 64, §64.7]

F.6 The Permit Holder shall maintain the monitoring equipment, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, used for compliance with the District-approved CAM plan. [40 CFR, Part 64, §64.7(b)]

F.7 Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities, the Permit Holder shall collect data at all required intervals at all times when the Loading Rack equipment and associated control equipment are operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of demonstrating compliance with the District-approved CAM plan. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the

monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. [40 CFR, Part 64, §64.7(c)]

F.8 Upon detecting an excursion or exceedance per the District-approved CAM plan, the Permit Holder shall restore operation of the Loading Rack equipment and associated control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown, or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action, or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable. [40 CFR, Part 64, §64.7(d)]

F.9 If the Permit Holder identifies a failure to achieve compliance with an emission limitation or standard for which the District-approved CAM plan did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the Permit Holder shall promptly notify the District and, if necessary, submit a proposed modification to the Title V Operating Permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. [40 CFR, Part 64, §64.7(e)]

F.10 Upon an accumulation of all excursions exceeding five (5) percent duration of the total Loading Rack operating time, the Permit Holder shall submit a quality improvement plan (QIP) consistent with 40 CFR §64.8(b). [40 CFR, Part 64, §64.8]

F.11 Any excursion or exceedance per the District-approved CAM plan shall be promptly reported to the District. For the purpose of this condition, prompt means as soon a reasonably possible, but no later than ten (10) days after detection. [40 CFR, Part 64, §64.9]

F.12 A CAM plan monitoring report shall be submitted at least every six(6) months and shall include the following:

a. Summary information on the number, duration, and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the correction actions taken; and

b. Summary information on the number, duration, and cause (including unknown cause, if applicable) for monitor downtime incidents.

The CAM plan monitoring report may be incorporated with the monitoring report required by District Rule 3.8, Section 302.7b. [40 CFR, Part 64, §64.9]

III. FACILITY-WIDE REQUIREMENTS

G. Opacity

G.1 The Permit Holder shall not discharge into the atmosphere from any single source of emission whatsoever, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:

a. As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

b. Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subsection a. of this permit condition. [District Rule 2.3]

H. Nuisance

H.1 The Permit Holder shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health, or safety of any such persons or the public or which cause to have a natural tendency to cause injury or damage to business or property. [District Rule 2.5]

[The permit condition is federally enforceable because it derives from District Rule 2.5 - Nuisance which is currently part of the California State Implementation Plan (SIP). The District is taking steps to remove District Rule 2.5 from the SIP. Once the U.S. Environmental Protection Agency (EPA) has taken final action to remove District Rule 2.5 from the SIP, this permit condition will become state-enforceable only.]

I. Circumvention

I.1 The Permit Holder shall not build, erect, install or use any article, machine, equipment, or other contrivance, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Division 26, Part 3 and Part 4 of the Health and Safety Code of the State of California or District Rules or Regulations. [District Rule 2.17]

J. Facility-Wide General Permit Requirements

J.1 No person shall build, erect, alter, or replace any facility, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants, without first obtaining an authorization to construct from the Air Pollution Control Officer as specified in Section 401 of District Rule 3.1. [District Rule 3.1, §301.1]

J.2 No person shall operate any facility, article, machine, equipment, or other contrivance, for which an authorization to construct is required by District Rules and Regulations without first obtaining a written permit from the Air Pollution Control Officer. [District Rule 3.1, §302.1]

J.3 No person shall operate any facility, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants, without obtaining a permit from the Air Pollution Control Officer or the Hearing Board. [District Rule 3.1, §302.2]

J.4 The owner or operator of any facility, article, machine, equipment, or other contrivance for which a permit to operate is in effect shall notify the District office whenever a breakdown, malfunction, or operational upset condition exists which would tend to increase emissions of air pollutants or whenever any operating condition contrary to any provision of the permit to operate exists. Such notice shall be given to the District no later than four (4) hours after occurrence during regular workday hours or no later than two (2) hours of the District workday following an occurrence not during regular District workday hours. The notice shall provide the District information as to causes and corrective action being taken, with a schedule for return to required operating conditions. [District Rule 3.1, §405.3]

IV. TITLE V GENERAL REQUIREMENTS

K. Right of Entry

K.1 The permit shall require that the source allow the entry of the District, ARB, or U.S. EPA officials for the purpose of inspection and sampling, including:

a. Inspection of the stationary source, including equipment, work practices, operations, and emissions-related activity;
b. Inspection and duplication of records required by the permit to operate; and
c. Source sampling or other monitoring activities. [District Rule 3.8, §302.10]

L. Compliance with Permit Conditions

L.1 The Permit Holder shall comply with all Title V permit conditions. [District Rule 3.8, §302.11(a)]

L.2 The permit does not convey property rights or exclusive privilege of any sort. [District Rule 3.8, §302.11(b)]

L.3 Non-compliance with any permit condition is grounds for permit termination, revocation and reissuance, modification, enforcement action, or denial of permit renewal. [District Rule 3.8, §302.11(c)]

L.4 The Permit Holder shall not use the "need to halt or reduce a permitted activity in order to maintain compliance" as a defense for non-compliance with any permit condition. [District Rule 3.8, §302.11(d)]

L.5 A pending permit action or notification of anticipated non-compliance does not stay any permit condition. [District Rule 3.8, §302.11(e)]

L.6 Within a reasonable time period, the Permit Holder shall furnish any information requested by the APCO, in writing, for the purpose of determining:
a. Compliance with the permit; or
b. Whether or not cause exists for a permit or enforcement action. [District Rule 3.8, §302.11(f)]

M. Emergency Provisions

M.1 Within two weeks of an emergency event, the Permit Holder shall submit to the District a properly signed contemporaneous log or other relevant evidence demonstrating that:
a. An emergency occurred;
b. The Permit Holder can identify the cause(s) of the emergency;
c. The facility was being properly operated at the time of the emergency;
d. All steps were taken to minimize the emissions resulting from the emergency; and
e. Within two (2) working days of the emergency event, the Permit Holder provided the District with a description of the emergency and any mitigating or corrective actions taken; and

In any enforcement proceeding, the Permit Holder has the burden of proof for establishing that an emergency occurred. [District Rule 3.8, §302.12]

N. Severability

N.1 If any provision, clause, sentence, paragraph, section or part of these conditions for any reason is judged to be unconstitutional or invalid, such judgement shall not affect or invalidate the remainder of these conditions. [District Rule 3.8, §302.13]

O. Compliance Certification

O.1 The responsible official shall submit a compliance certification to the U.S. EPA and the APCO every twelve (12) months unless required more frequently by an applicable requirement. The twelve (12) month period shall be January 1 through December 31, and shall be submitted by January 30 following the reporting period, unless otherwise approved in writing by the District. All compliance reports and other documents required to be submitted to the District by the responsible official shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [District Rule 3.4 and District Rule 3.8, §302.14(a)]

O.2 The compliance certification shall identify the basis for each permit term or condition (e.g., specify the emissions limitation, standard, or work practice) and a means of monitoring compliance with the term or condition consistent with Sections 302.5, 302.6, and 302.7 of District Rule 3.8. [District Rule 3.8, §302.14(b)]

O.3 The compliance certification shall include a statement of the compliance status, whether compliance was continuous or intermittent, and method(s) used to determine compliance for the current time period and over the entire reporting period. The compliance certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred. [District Rule 3.4, District Rule 3.8, §302.14(c), and 40 CFR Part 70.6]

O.4 The compliance certification shall include any additional inspection, monitoring, or entry requirement that may be promulgated pursuant to Sections 114(a) and 504(b) of the Federal Clean Air Act. [District Rule 3.8, §302.14(d)]

P. Permit Life

P.1 The Title V permit shall expire five (5) years from the date of issuance. Title V permit expiration terminates the stationary source's right to operate unless a timely and complete Title V permit application for renewal has been submitted. [District Rule 3.8, §302.15]

Q. Payment of Fees

Q.1 The Permit Holder shall pay the appropriate Title V permit fees on schedule. If fees are not paid on schedule, the permit is forfeited. Operation without a permit subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to Section 502(a) of the CAA. [District Rule 3.8, §302.16]

R. Permit Revision Exemption

R.1 No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes, for changes that are provided for in the permit. [District Rule 3.8 §302.22]

S. Application Requirements

S.1 The Permit Holder shall submit a standard District application for renewal of the Title V permit, no earlier than eighteen (18) months and no later than six (6) months before the expiration date of the current permit to operate. [District Rule 3.8, §402.2]

S.2 The Permit Holder shall submit a standard District application for each emission unit affected by a proposed permit revision that qualifies as a significant Title V permit modification. The application shall be submitted after obtaining any required preconstruction permits. Upon request by the APCO, the Permit Holder shall submit

copies of the latest preconstruction permit for each affected emissions unit. The emissions unit(s) shall not commence operation until the APCO approves the permit revision. [District Rule 3.8, §402.3]

S.3 The Permit Holder shall submit a standard District application for each emission unit affected by the proposed permit revision that qualifies as a minor permit modification. The application shall be submitted after obtaining any required preconstruction permits. The emissions unit(s) shall not commence operation until the APCO approves the permit revision. In the application, the Permit Holder shall include the following:

a. A description of the proposed permit revision, any change in emissions, and additional applicable federal requirements that will apply;
b. Proposed permit terms and conditions; and
c. A certification by a responsible official that the permit revision meets criteria for use of minor permit modification procedures and a request that such procedures be used. [District Rule 3.8, §402.4]

T. Permit Reopening for Cause

T.1 Circumstances that are cause for reopening and revision of a permit include, but are not limited to, the following:

a. The need to correct a material mistake or inaccurate statement;
b. The need to revise or revoke a permit to operate to assure compliance with applicable federal requirements;
c. The need to incorporate any new, revised, or additional applicable federal requirements, if the remaining authorized life of the permit is three (3) years or greater, no later than eighteen (18) months after the promulgation of such requirement (where less than three (3) years remain in the authorized life of the permit, the APCO shall incorporate the requirements into the permit to operate upon renewal); or
d. Additional requirements promulgated pursuant to Title IV as they become applicable to any acid rain unit governed by the permit. [District Rule 3.8, §413.1]

U. Record-keeping

U.1 The Permit Holder shall record maintenance of all monitoring and support information required by any applicable federal requirement, including:

a. Date, place, and time of sampling;
b. Operating conditions at the time of sampling;
c. Date, place, and method of analysis; and
d. Results of the analysis. [District Rule 3.8, §302.6(a)]

U.2 The Permit Holder shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of sample collection, measurement, report, or application. [District Rule 3.8, §302.6(b)]

V. Reporting Requirements

V.1 Any deviation from permit requirements, including that attributable to upset conditions (as defined in the permit), shall be promptly reported to the APCO. For the purpose of this condition prompt means as soon as reasonably possible, but no later than ten (10) days after detection. [District Rule 3.8, §302.7(a)]

V.2 A semi-annual monitoring report shall be submitted at least every six (6) consecutive months and shall identify any deviation from permit requirements, including that previously reported to the APCO pursuant to Section 302.7(a) of Rule 3.8. The six (6) month periods shall be January 1 through June 30 and July 1 through December 31. The reports shall be submitted by July 30 and January 30 following each reporting period, respectfully, unless otherwise approved in writing by the District. [District Rule 3.4 and District 3.8, §302.7(b)]

V.3 All reports of deviation from permit requirements shall include the probable cause of the deviation and any preventive or corrective action taken. [District Rule 3.8, §302.7(c)]

V.4 Each monitoring report shall be accompanied by a written statement from the responsible official that certifies the truth, accuracy, and completeness of the report. [District Rule 3.8, §302.7(e)]